HEATER

\[ V_h = 6.5 \text{ V} \]
\[ I_h = 1.0 \text{ A} \]

CAPACITANCES

\[ C_{\text{out}} = 12 \mu\text{F} \]
\[ C_{\text{in}} = 15 \mu\text{F} \]
\[ C_{a-gl} = 0.15 \mu\text{F} \]

OPERATING CONDITIONS

\[ V_a = 250 \text{ V} \]
\[ V_{g2} = 250 \text{ V} \]
\[ V_{g1} = -4.5 \text{ V} \]
\[ I_a = 40 \text{ mA} \]
\[ I_{g2} = 5.5 \text{ mA} \]
\[ R_x = 100 \text{ ohms} \]
\[ E_m = 12.0 \text{ mA/V} \]
\[ \mu_{g2-gl} = 28 \text{ ohms} \]
\[ r_a = 55,000 \text{ ohms} \]
\[ 100,000 \text{ ohms} \]

LIMITING VALUES

\[ w_a \text{ max.} = 10 \text{ W} \]
\[ w_{g2} \text{ max.} = 2 \text{ W} \]
\[ V_{a(b)} \text{ max.} = 500 \text{ V} \]
\[ V_a \text{ max.} = 300 \text{ V} \]
\[ V_{g2(b)} \text{ max.} = 300 \text{ V} \]
\[ V_{g2} \text{ max.} = 250 \text{ V} \]
\[ V_{h-k} \text{ max.} = 150 \text{ V} \]
\[ R_{g1} \text{ max.} = 0.7 \text{ M. ohm} \]
\[ I_k \text{ peak (with } 50 \mu\text{sec.}, \text{ 500 c/s pulse)} = 1.5 \text{ A} \]
EF55

VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off.

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS

DIMENSIONS

Notes: If mounted horizontally, Pins 4 and 8 must be in a vertical plane.

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ISSUE I

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VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off

\[ V_{gs} = 250V \]

\[ I_a (mA) \]

-4V
-5V
-6V
-7V
-8V

0 100 200 300 400

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ISSUE I

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VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off.

[Diagram of EF55 pentode characteristics with grid lines and labels]

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ISSUE 1

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VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off.

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ISSUE 1

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VIDEO FREQUENCY PENTODE

Single-ended R.F. pentode with very high mutual conductance and sharp cut-off

\[ V_a = 250\text{V} \]
\[ V_{gs} = 150\text{V} \]

\[ V_{g} \]

\[ I_a \text{ (mA)} \]

\[ I_{ga} \]

-7 -6 -5 -4 -3 -2 -1 0

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